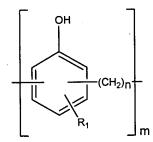
## AMENDMENTS TO THE CLAIMS: LISTING OF THE CLAIMS

- 1. (Currently Amended) A jet fuel composition comprising
  - (i) a jet fuel; and
  - (ii) a phenolic additive consisting of a compound of Formula I



Formula I

wherein m is at least 1;

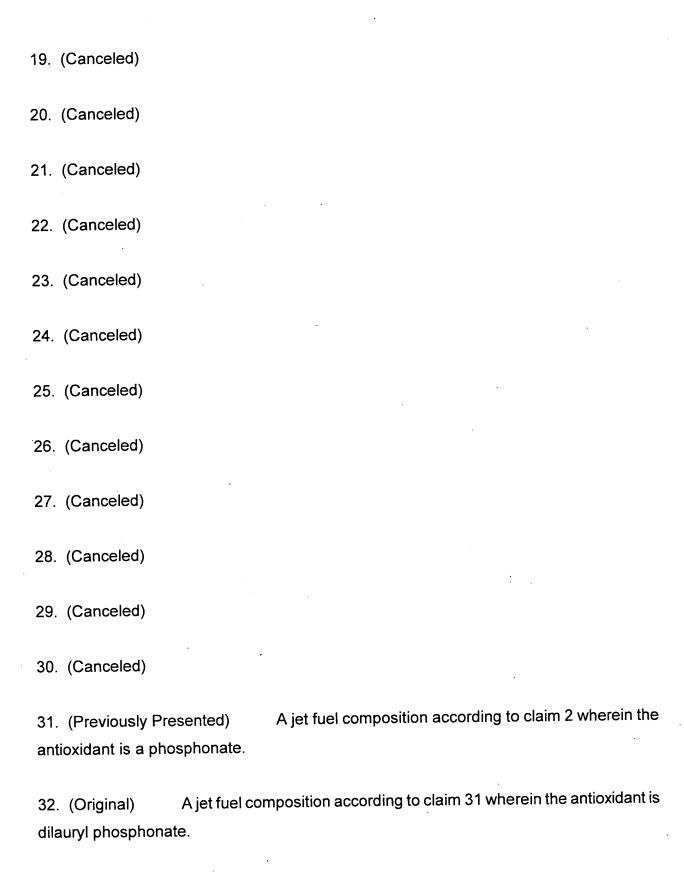
wherein n is 0 or 1;

wherein when m is 1, n is 0;

wherein the or each  $R_1$  is a hydrocarbyl branched alkyl group with the proviso that the or each  $R_1$  is free of carboxylic acid and carboxylic ester groups; and wherein when m is 1,  $R_1$  is a polymeric group comprising at least 12 carbon atoms and  $R_1$  has a molecular weight of 500 to 2500.

- 2. (Original) A jet fuel composition according to claim 1 further comprising (iii) an antioxidant.
- 3. (Previously Presented) A jet fuel composition according to claim 1 further comprising (iv) a metal deactivator.
- 4. (Canceled)
- 5. (Canceled)
- 6. (Canceled)

- 7. (Canceled)
- 8. (Currently Amended) A jet fuel composition according to claim 1 wherein  $R_1$  is a  $C_{10}$   $C_{12}$ - $C_{200}$  group.
- 9. (Previously Presented) A jet fuel composition according to claim 1 wherein  $R_1$  is a  $C_{40}$   $C_{180}$  group.
- 10. (Canceled)
- 11. (Currently Amended) A jet fuel composition of claim 1 wherein R<sub>1</sub> is a <del>polyalkenyl</del> poly(branched alkenyl) group.
- 12. (Previously Presented) A jet fuel composition according to claim 1 wherein  $R_1$  is polyisobutene (PIB).
- 13. (Canceled)
- 14. (Canceled)
- 15. (Previously Presented) A jet fuel composition according to claim 1 wherein R<sub>1</sub> has a molecular weight of approximately 750.
- 16. (Previously Presented) A jet fuel composition according to claim 1 wherein R<sub>1</sub> has a molecular weight of approximately 1000.
- 17. (Previously Presented) A jet fuel composition according to claim1 wherein R<sub>1</sub> has a molecular weight of approximately 2300.
- 18. (Canceled)



33. (Previously Presented) metal deactivator is N,N'-disalicyl	A jet fuel composition according to claim 3 wherein the idene 1,2-propanediamine.
34. (Previously Presented) compound of Formula I is presented	A jet fuel composition according to claim 1 wherein the tin an amount of 50-200mg/L.
35. (Previously Presented) compound of Formula I is presented	A jet fuel composition according to claim 1 wherein the t in an amount of 80-120mg/L.
36. (Previously Presented) antioxidant is present in an amou	A jet fuel composition according to claim 2 wherein the int of 1-50mg/L.
37. (Original) A jet fuel composition according to claim 36 wherein the antioxidant is present in an amount of 1-30mg/L.	
38. (Previously Presented) metal deactivator is present in an	A jet fuel composition according to claim 3 wherein the amount of 0.05 – 10mg/L.
39. (Original) A jet fuel composition according to claim 38 wherein the metal deactivator is present in an amount of 0.5 – 5mg/L.	
40 (Canceled)	
41. (Canceled)	
42. (Canceled)	
43. (Canceled)	
44. (Canceled)	

45. (Currently Amended) A method for inhibiting deposit formation in a jet fuel at a temperature of from 100 to 335°C, the method comprising combining with the jet fuel a phenolic additive consisting of a compound of Formula I

Formula I

wherein m is at least 1;

wherein n is 0 or 1;

wherein when m is 1, n is 0;

wherein the or each  $R_1$  is a hydrocarbyl branched alkyl group with the proviso that the or each  $R_1$  is free of carboxylic acid and carboxylic ester groups; and wherein when m is 1,  $R_1$  is a polymeric group comprising at least 12 carbon atoms  $R_1$  has a molecular weight of 500 to 2500.

- 46. (Canceled)
- 47. (Canceled)
- 48. (Canceled)
- 49. (Canceled)

50. (New) Jet fuel oxidation inhibitor comprisinga phenolic additive consisting of the compound of Formula I

Formula I

wherein m is 1;

wherein n is 0;

wherein the or each  $R_1$  is a branched alkyl group and  $R_1$  has a molecular weight of 500 to 2500.

- 51. (New) The inhibitor of claim 50 further comprising an antoxidant.
- 52. (New) The inhibitor of claim 50 further comprising a metal deactivator.
- 53. (New) A method of inhibiting the oxidation of a jet fuel composition comprising adding to a jet fuel a phenolic additive consisting of the compound of Formula I

Formula I

wherein m is 1;

wherein n is 0;

wherein  $R_1$  is a branched alkyl group and having a molecular weight of 500 to 2500 to thereby forming a mixture.

- 54. (New) The method of claim 53 further comprising pre-combustion heating of the mixture.
- 55. (New) The method of claim 53 further comprising adding to one of the jet fuel or the mixture at least one from the group consisting of an antioxidant, a corrosion inhibitor, a lubricity improver, a metal deactivator, a leak detection additive, a special purpose additive, an anti-icing additive, and a static dissipater.
- 56. (New) The method of claim 53 wherein the branched alkyl group comprises a polymeric group comprising at least 12 carbon atoms.